

251305-0040.ST25.txt
SEQUENCE LISTING

<110> Zhang, David Y.
Yi, Jizu
Zhang, Wandu

<120> Nucleic Acid Amplification Methods

<130> 251305/0040

<140> not yet assigned
<141> 2003-11-21

<150> US 09/978,261
<151> 2001-10-15

<150> PCT/US02/32754
<151> 2002-10-11

<160> 49

<170> PatentIn version 3.2

<210> 1
<211> 59
<212> DNA
<213> Artificial sequence

<220>
<223> oligonucleotide probe

<400> 1
ccatcttcct gctaatttta agacctggta acaggatttc cccgggaatt caagcttgg 59

<210> 2
<211> 92
<212> DNA
<213> Artificial sequence

<220>
<223> oligonucleotide probe

<400> 2
gggttgacct ggctagatcc gggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
accccgttat ctgtatgtac tgtttttact gg 92

<210> 3
<211> 151
<212> DNA
<213> Artificial sequence

<220>
<223> oligonucleotide probe

<400> 3
gggttgacct ggctagatcc gggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
accccgttat ctgtatgtac tgtttttact ggccatcttc ctgctaattt taagacctgg 120
taacaggatt tccccgggaa ttcaagcttg g 151

<210> 4
 <211> 90
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Oligonucleotide probe

<400> 4
 ggggttgaccc ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat cctggttaaca ggatttcccc 90

<210> 5
 <211> 21
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Oligonucleotide probe

<400> 5
 caagcttgaa ttcccgggga a 21

<210> 6
 <211> 20
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Oligonucleotide probe

<400> 6
 ggggttgaccc ggctagatcc 20

<210> 7
 <211> 54
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Oligonucleotide probe

<400> 7
 caggcttatc ccgaagtgcc tggtaacagg atttccccgg gaattcaagc ttgg 54

<210> 8
 <211> 91
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Oligonucleotide probe

<400> 8
 ggggttgaccc ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60

accccgttat ccggtattag acccagtttc c 91

<210> 9
 <211> 145
 <212> DNA
 <213> Artificial sequence

<220>
 <223> oligonucleotide probe

<400> 9
 ggggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat ccggtattag acccagtttc ccaggcttat cccgaagtgc ctggtaacag 120
 gatttccccg ggaattcaag cttgg 145

<210> 10
 <211> 56
 <212> DNA
 <213> Artificial sequence

<220>
 <223> oligonucleotide probe

<400> 10
 gaagacatgc atcccgtggt cctggtaaca ggatttcccc gggaattcaa gcttgg 56

<210> 11
 <211> 90
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<400> 11
 ggggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat cgctaaagcg ctttcaccca 90

<210> 12
 <211> 146
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide probe

<400> 12
 ggggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat cgctaaagcg ctttcaccca gaagacatgc atcccgtggt cctggtaaca 120
 ggatttcccc gggaattcaa gcttgg 146

<210> 13
 <211> 56

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe
 <400> 13
 aaagacatgc atcccgtagt cctggtaaca ggatttcccc gggaattcaa gcttgg 56

<210> 14
 <211> 90
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe
 <400> 14
 gggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat cgctaaagcg ctttccacct 90

<210> 15
 <211> 146
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe
 <400> 15
 gggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60
 accccgttat cgctaaagcg ctttccacct aaagacatgc atcccgtagt cctggtaaca 120
 ggatttcccc gggaattcaa gcttgg 146

<210> 16
 <211> 55
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 16
 gcagaccact atggctctcc ctggtaacag gatttcccc gggaattcaag cttgg 55

<210> 17
 <211> 90
 <212> DNA
 <213> Artificial sequence
 <220>
 <223> Oligonucleotide probe
 <400> 17
 gggttgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60

accccgttat ccggtgtact caccggttcc 90

<210> 18
 <211> 145
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<400> 18
 ggggtgacct ggctagatcc ggggtgtgtcc tctctaactt tcgagtagag aggtgagaaa 60

accccgttat ccggtgtact caccggttcc gcagaccact atggctctcc ctggtaacag 120

gatttccccg ggaattcaag ctggg 145

<210> 19
 <211> 47
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<400> 19
 ggtgaaattg ctgccattgt ctgtatgttg tctgtgtatc tgctaac 47

<210> 20
 <211> 65
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<400> 20
 caagagcaac tacacgaatt ctcgattagg ttactgcagc aacaggcggc cttaactgta 60

gtact 65

<210> 21
 <211> 112
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe

<400> 21
 ggtgaaattg ctgccattgt ctgtatgttg tctgtgtatc tgctaaccac gagcaactac 60

acgaattctc gattagggtta ctgcagcaac aggcggcctt aactgtagta ct 112

<210> 22
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide probe
 <400> 22
 aagagcgtga agacagtagt tcctcacagg ggagtgattc atggt 45

<210> 23
 <211> 45
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe
 <400> 23
 aagaccaac actactcggc tagcagtctt gcgggggcac gccca 45

<210> 24
 <211> 51
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide probe
 <400> 24
 actcaccggt tccgcagacc actatggctc gttgtctgtg tatctgctaa c 51

<210> 25
 <211> 69
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 25
 caagagcaac tacacgaatt ctcgattagg ttactgcaga ggacccggtc gtcctggcaa 60
 ttccggtgt 69

<210> 26
 <211> 120
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 26
 caagagcaac tacacgaatt ctcgattagg ttactgcaga ggacccggtc gtcctggcaa 60
 ttccggtgta ctcaccgggt cgcagacca ctatggctcg ttgtctgtgt atctgctaac 120

<210> 27
 <211> 18
 <212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide primer

<400> 27

gtagcagat acacagac

18

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide primer

<400> 28

caagagcaac tacacgaa

18

<210> 29

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide primer

<400> 29

ttctcgatta ggttactg

18

<210> 30

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide primer

<400> 30

caagagcaac tacacgaatt ctcgattagg ttactgcagc gtcctggcaa ttccggtgta

60

ctcaccggtt ccgcagaccg ttgtctgtgt atctgctaac

100

<210> 31

<211> 108

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide primer

<400> 31

cctttcgcga cccaacta ctcggctgtc tgtgtatctg ctaaccaaga gcaactacac

60

gaattctcga ttaggttact gcgcacccta tcaggcagta ccacaagg

108

<210> 32

<211> 19

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide primer
 <400> 32
 gcgacactcc accatagat

19

<210> 33
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide primer
 <400> 33
 gctcatggtg cacggtcta

19

<210> 34
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide primer
 <400> 34
 cttctacaat gagctgcgtg tggct

25

<210> 35
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide primer
 <400> 35
 cgctcattgc caatggtgat gacct

25

<210> 36
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> oligonucleotide primer
 <400> 36
 ctgtgaggaa ctactgtct

19

<210> 37
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide primer

 <400> 37
 actcgcaagc accctatca 19

<210> 38
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide primer

 <400> 38
 aaggccaacc gcgagaagat 20

<210> 39
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide primer

 <400> 39
 tcacgcacga tttcccgc 18

<210> 40
 <211> 45
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide primer

 <400> 40
 aagagtctcc tccctagcaa aacctctagg gcagcgtagg tcctg 45

<210> 41
 <211> 45
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide primer

 <400> 41
 aagaggatca aaacatgcfg accaccagct ggtacttgac cgaag 45

<210> 42
 <211> 109
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide primer

<400> 42
tcaccacccg ggacttgtag ccgggactgt ctgtgtatct gctaaccaag agcaactaca 60
cgaattctcg attagggttac tgcgggaaga caaccacaga caccgttcc 109

<210> 43
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Zipper Probe 1

<220>
<221> misc_feature
<222> (39)..(39)
<223> n = DABCYL molecule

<400> 43
tcggcatccg catccgcatt cgcattccggg tcctcagcn 39

<210> 44
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Zipper Probe 2

<220>
<221> misc_feature
<222> (1)..(1)
<223> n = FLUORESCCEIN molecule

<400> 44
ngctgaggac ccggatgcga atgcggatgc ggatgccgaa ccaagagcaa ctacacgaat 60
tc 62

<210> 45
<211> 124
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Probe

<400> 45
ggttttgtct tcgtaactcg ctccggatgt ctgtgtatct gctaaccaag agcaactaca 60
cgaattctcg attagggttac tgcgattagc acaagctcta caagagtaca tcggtcaacg 120
aaga 124

<210> 46
<211> 44
<212> DNA

<213> Artificial Sequence

<220>

<223> Capture Probe

<220>

<221> misc_feature

<222> (1)..(1)

<223> n = biotin molecule

<400> 46

naagagctta agaaccgtca gacagaaaag aggattatta tacc

44

<210> 47

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> Target Nucleic Acid Molecule

<400> 47

tccggagcga gttacgaaga caaaacctct tcgttgaccg atgtactctt gtagaaagtt

60

ataataatcc tcttttctgt ctgacggttc ttaagc

96

<210> 48

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Forward Primer

<400> 48

cttgtgctaa tcgcagtaac ctaat

25

<210> 49

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Reverse Primer

<400> 49

accaagagca actcaccgaa ttc

23